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APPLICATION NO. FILING DATE		ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/541,030 06/28/2005		06/28/2005	Young-Ki Hong	0630-2364PUS1	4025	
2292	7590	09/15/2006		EXAMINER		
		KOLASCH & 1	CHIESA, RICHARD L			
PO BOX 74 FALLS CH		A 22040-0747	ART UNIT	PAPER NUMBER		
				1724		
			DATE MAILED: 09/15/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	App	licant(s)				
		10/541,030	HOH	NG ET AL.				
	Office Action Summary	Examiner	Art (	Unit				
		Richard L. Chiesa	1724	4				
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sh	eet with the corres	pondence add	ress			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. of period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMN 36(a). In no event, however, vill apply and will expire SIX ( cause the application to bec	MUNICATION.  may a reply be timely filed  6) MONTHS from the mail  come ABANDONED (35 U	d iling date of this com J.S.C. § 133).				
Status								
1)	Responsive to communication(s) filed on							
2a)[	This action is <b>FINAL</b> . 2b) This action is non-final.							
3)⊠	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under E	x parte Quayle, 193	5 C.D. 11, 453 O.0	G. 213.				
Dispositi	ion of Claims							
5)⊠ 6)□	Claim(s) 1-14 is/are pending in the application.  4a) Of the above claim(s) is/are withdraw Claim(s) 1-14 is/are allowed.  Claim(s) is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or		·					
Applicati	on Papers							
9)⊠	The specification is objected to by the Examine	r.						
10)🖂	The drawing(s) filed on <u>28 June 2005</u> is/are: a)	$\square$ accepted or b) $\! igtriangle$	objected to by the	e Examiner.				
	Applicant may not request that any objection to the							
11)	Replacement drawing sheet(s) including the correction.  The oath or declaration is objected to by the Ex	•			• •			
Priority ι	ınder 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
2) ☐ Notic 3) ⊠ Infor	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08)	Papi 5) 🔲 Noti	rview Summary (PTO- er No(s)/Mail Date ce of Informal Patent A	<u> </u>				
Pape	r No(s)/Mail Date <u>June28, 2005</u> .	6)	ж					

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**DETAILED ACTION** 

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers

have been placed of record in the file.

Drawings

2. The drawings filed on June 28, 2005 are objected to because Figures 1-5, and 13 must

apparently be designated by a legend such as -- Prior Art-- . This is due to the fact that only that

which is old appears to be illustrated. See MPEP § 608.02(g). Corrected drawings in

compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid

abandonment of the application. The replacement sheets should be labeled "Replacement Sheet"

in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing

figures. If the changes are not accepted by the examiner, the applicants will be notified and

informed of any required corrective action in the next Office action. The objection to the

drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities: (A) The specification

must apparently be updated to indicate that this case is a national stage of International

Application No. PCT/KR03/02684 filed on December 8, 2003. (B) The phrase "groove 114"

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(page 8, line 15) must apparently be changed to --groove 114a--. (C) The phrase "groove 124"

(page 8, line 18) must apparently be changed to --groove 124a--. (D) The word "widen" (page

10, line 8) must apparently be changed to --wider--. (E) The word "filed" on the first line of

page 12 must apparently be changed to --field--. Appropriate correction is required.

## Allowable Subject Matter

- 4. Claims 1-14 are allowed.
- 5. As allowable subject matter has been indicated, applicants' reply must either comply with

all formal requirements or specifically traverse each requirement not complied with. See 37

CFR 1.111(b) and MPEP § 707.07(a).

6. The following is a statement of reasons for the indication of allowable subject matter:

The prior art fails to teach or fairly suggest the recited plasma air dust collector with the recited

first electrode fixing unit, dust collecting electrode power terminal, second electrode fixing unit,

discharge electrode power terminal, two electric conductor dust collecting electrodes, electric

conductor discharge electrode, and dust collecting internal and side surfaces in the recited

positioning and operative relationship.

## Conclusion

7. The prior art made of record is considered pertinent to applicants' disclosure. These references have been cited as art of interest to show other plasma or electric air dust collectors.

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8. This application is in condition for allowance except for the following formal matters:

(A) The word --the-- must apparently be inserted between "wherein" and "dust" on the first line of claim 14. (B) The drawings and specification must be corrected as explained above in paragraphs 2 and 3, respectively.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard L. Chiesa whose telephone number is (571) 272-1154.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane S. Smith, can be reached at (571) 272-1166.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center 1700 receptionist whose telephone number is (571) 272-1700.

Facsimile correspondence must be transmitted through (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Richard L. Chiesa September 13, 2006

> RICHARD L. CHIESA PRIMARY EXAMINER ART UNIT 1724

Richard L. Chiesa

Sept. 13, 2006